

GROUND WATER FORUM TELECONFERENCE

October 5, 2000

FALL MEETING UPDATE

Kathy asked for additional State or Regional representatives to volunteer to make a presentation during the Wednesday morning session. The talk can be an informal discussion of a problem site or transmission of information. Please email Kathy to sign up for one of the 20 minute slots.

Kathy requested that anyone with access to a video camera make a videotape of the ground water/surface water training that can be used for future training. She mentioned that the stream is contaminated. Furthermore, participants will wade in water 1-3 feet deep and possibly very chilly during the lake exercise; therefore, rubber boots and/or waders will be helpful. It was suggested to check www.weather.com prior to the meeting for the latest weather information.

If anyone has signed up for the training and cannot make it, please inform Kathy as soon as possible as there was a waiting list. During the week of October 9, Kathy will distribute a list of what participants should bring.

OPTIMIZING FUND LED PUMP AND TREAT SYSTEMS

Kathy Yager asked the GWF for assistance in implementing a Headquarters-led effort on optimizing ground water pump and treat systems. This effort is part of the Superfund reform program and is sponsored by OERR/TIO. It uses a system developed by USACE to examine all aspects of pump and treat operation. The implementation of the effort consists of three phases:

1. The Regions identify all fund-led pump and treat sites in their Region.
2. RPMs in the regions will assist in completing an 18-item questionnaire to assess the system for prioritization.
3. Two sites from each Region will be selected, and then evaluated by a three-person team (from GeoTrans Tetra Tech, USACE, and EPA) during a two-day site visit.

TIO/OERR is paying for the study which will result in a 30-40 page report for each site. The report examines both protectiveness issues (capture zones, mass removal) and cost savings opportunities. The study has been piloted in Regions 4 and 5, and the reports are being finalized. Kay Wischkaemper was involved in the pilot for Region 4.

There is no set schedule at this time, but OERR/TIO would like the project to be completed by the end of the fiscal year. If you are interested in participating please email Kathy Yager. Paul Nadeau is the OERR contact.

UPDATING BIOSCREEN, BIOPLUME, AND BIOCHLOR

DIFFUSION SAMPLER PROTOCOL

Vince Malott stated that the work group has reviewed the protocol, which is divided into two parts. The work group agreed in principle with the ideas presented in the first part (general construction of the bag and its use) although they prepared nine pages of comments. They questioned the validity of the laboratory data that is used to support some of the assumptions and reviewed a number of the unpublished case histories also. Steve Schmelling (SPRD/Ada) is compiling the comments from HQ, ORD, and GWF. When this is complete he will work with Kathy Davies and Rich Steimle to submit them to AFCEE.

PHYTOREMEDIATION ISSUE PAPER

Ernie Waterman compiled the GWF's comments on this issue paper. He noted that, overall, this was a nice introduction to phytoremediation. Most of the comments were very specific. The biggest shortcoming of the paper was that it focused on the technology itself and neglected to discuss what one should consider when using phytoremediation in the real world. For example, there was little discussion of monitoring or site characterization requirements to effectively deploy phytoremediation. Since this technology generally has seasonal effectiveness, the issue paper should identify the site assessment needs that will persist after the initial deployment.

UNCERTAINTY ISSUE PAPER

Ruth Israeli needs comments on the Uncertainty Issue Paper by October 9. She not received any comments to date.

COST ANALYSES FOR PUMP AND TREAT AND REACTIVE BARRIERS

The comments on the cost analyses are due to Linda Fiedler (TIO) by October 9. Jerry Jones noted that SPRD/Ada is reviewing the paper. Helen Dawson has reviewed it and will be sending comments shortly. She pointed out that the paper did not provide estimates of the length of time that O&M costs would be incurred.

OPEN DISCUSSION

Helen Dawson is compiling the comments on the RCRA DNAPL website and will e-mail them to the GWF and Mark Mercer during the week of October 9. Mark Mercer stated that the Office of Solid Waste had closed the public comment period September 5 and are in the process of responding to them. Once they have completed the comment response, it will be placed in the docket and published in the Federal Register.

Brian Lewis invited the GWF to peer review a paper written by a co-worker at DTSC on ground-water to indoor air transfer. The paper essentially examines the Ettinger model. Brian will send the paper to Diane Dopkin for distribute via e-mail.

Dick Willey recently came across results from bladder pumps using compressed air that showed higher DO levels than expected and lower volatile concentrations than expected. He asked if anyone else on the

ATTENDEES

Dick Willey, Region 1
Steve Mangion, Region 1 STL
Ernie Waterman, Region 1
Darrell Luce, Region 1
Ruth Izraeli, Region 2
Kathy Davies, Region 3
Dave Kargbo, Region 3
Norm Kulujian, Region 3
Luanne Vanderpool, Region 5
Dave Wilson, Region 5
Vince Malott, Region 6
Helen Dawson, Region 8
Herb Levine, Region 9

Brian Lewis, CA DTSC
Barbara Vetort, MI DEQ
Jennifer Sutter, OR DEQ
Mavis Kent , OR DEQ
Kathy Yager, TIO/HQ
Mark Mercer, HQ/OSW
Matt Charsky, HQ/OERR
Ken Brown, NERL/Las Vegas
Dave Jewett, SPRD/Ada
Jerry Jones, SPRD/Ada
Bill Myers, EMS